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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**(Only for new nonprovisional applications under 37  
CFR 1.53(b))

Attorney Docket No. 66638/46220

First Inventor Williams, Zachary C.

Title Intelligent Multifunctional Actuation System for Vibration and Buffet  
Suppression

Express Mail Label No. EV 388209426 US

**APPLICATION ELEMENTS**See MPEP chapter 600 concerning utility patent  
application contents.

1. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
2. ☒ Specification [Total Pages No. 20]  
(preferred arrangement set forth below)
- ☒ Descriptive title of the invention
  - ☐ Cross Reference to Related Applications
  - ☐ Statement Regarding Fed sponsored R & D
  - ☐ Reference to sequence listing, a table,  
or a computer program listing appendix
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings (if filed)
  - ☒ Detailed Description
  - ☒ Claim(s)
  - ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets No. 7]
4. Oath or Declaration [Total Pages No. 2]
- a. ☒ Newly executed (original or copy)
  - b. ☐ Unexecuted
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

5. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
14. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
15. ☒ Certificate of Express Mailing
16. ☐ Other: \_\_\_\_\_

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is  
supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby  
incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted  
application parts.**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

21888

PATENT TRADEMARK OFFICE

or ☒ Correspondence address below

Name	Robert L. Villhard		Registration No. (Attorney/Agent)	53,725	
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13049 U.S. PTO

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## PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

66638/46220

CLAIMS AS FILED - PART I				SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE	FEE		RATE	FEE	
BASIC FEE (37 CFR 1.16(a))					\$ 0	OR		\$770.00	
TOTAL CLAIMS (37 CFR 1.16(c))	26	minus 20 = *	6	x \$	=	OR	x \$ 18.00	108.00	
INDEPENDENT CLAIMS (37 CFR 1.16(b))	6	minus 3 = *	3	x \$	=	OR	x \$ 86.00	258.00	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				+	\$ =	OR	+	\$ 290.00 = 0.00	
* If the difference in column 1 is less than zero, enter "0" in column 2				TOTAL		OR	TOTAL	1,136.00	

- ☐ A check in the amount of \$\_\_\_\_\_ is attached.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-0823 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$1,136.00 for the patent filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.



Signature

Dated: March 17, 2004

Robert L. Villhard, Reg. #53,725  
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Express Mail No. EV 388209426 US



Signature of Person Mailing Correspondence

Robert L. Villhard

Typed or Printed Name of Person Mailing Correspondence

**EXPRESS MAIL CERTIFICATE OF MAILING (37 CFR 1.10)****Express Mail No.**

Docket No.

66638/46220

In Re Application Of:  
Williams, Zachary C.Serial No.  
to be assignedFiling Date  
herewithExaminer  
unknownGroup Art Unit  
unknownTitle:  
Turn Around Operations Cost of Ownership ModelTO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Transmitted herewith is:

## Utility Patent Application Transmittal:

- ☒ Patent Application  
☒ Drawings: 7 Sheets ☒ Formal ☐ Informal;  
☒ Power of Attorney: ☒ Executed ☐ Not executed  
☒ Declaration: ☒ Executed ☐ Not executed  
☒ Assignment with Recordation Form  
☐ Information Disclosure Statement with References (☐)  
☐ NonPublication Request under 35 U.S.C. 122(b)(2)(B)(i)  
☒ Postcard  
☐ A check in the amount of \$        is attached

  
Signature

Dated: March 17, 2004

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Signature of Person Mailing CorrespondenceRobert Villhard  
Typed or Printed Name of Person Mailing Correspondence